

PTO/SB/08A (08-03)

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<b>TRADEMARK OFFICE</b> Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)	<b>Application Number</b>		09/663,832		
	<b>Filing Date</b>		9/15/2000		
	<b>First Named Inventor:</b>		Malcolm G. Smith, Sr.		
	<b>Examiner: Daniel A. Hess</b>		GROUP: 2876		
<b>Sheet</b>	1	<b>of</b>	1	<b>Attorney Docket Number</b>	ULT-010

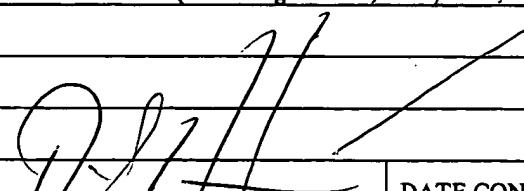
**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2(f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
gml ↓ ↓	C01	US-4,006,507	02/1977	Yoshida	
	C02	US-5,638,345	06/1997	Hosoya	
	C03	US-5,689,105	11/1997	Mizoguchi et al.	
	C04	US-5,808,981	09/1998	Suzuki	

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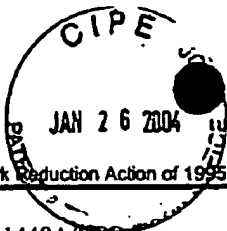
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5 (f known)</sup>	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER SIGNATURE: 	DATE CONSIDERED: 3/7/05
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DHI	G001	US-1,756,547	04/1930	Hansen	
	G002	US-3,677,843	7/17/1972	Reiss	
	G003	US-3,838,252	9/24/1974	Hynes et al.	
	G004	US-4,058,839	11/1977	Darjany, John C.	
	G005	US-4,076,125	2/28/1978	Ohsaki et al.	
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DHI	G008	EP 0194675	9/1986			
	G009	WO 9210485	12/1992			
	G010	JP 10041118	4/1998			
	G011	JP 10144391 A	5/1998	Kanda		

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(One Page) Advertising Brochure, Iomega Click! PC Card Drive (40 MB Disk) Iomega Corporation, 1999
Gooch et al. "A High Resolution Flying Magnetic Disk Recording System With Zero Reproduce Spacing Loss" Pages 4545-4554, IEEE Transactions on Magnetis, Volume 27, No. 6, November 1991
One (1) Page Advertising Brochure, SysTECH, Wallet Size CDROM, Copyright 1999
Three (3) Pages / Gold CD Mini ROM (Picture), Back/Front Packaging for CD Mini ROM AOL, America On Line

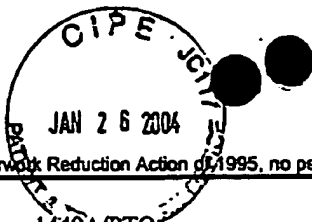
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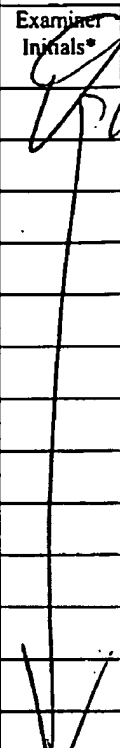
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	G012	US-4,141,400	2/27/1979	Mangan	
	G013	US-4,197,988	4/15/1980	Moss et al.	
	G014	US-4,209,811	6/1/1980	Blazevic	
	G015	US-4,277,809	7/7/1981	Fisher et al.	
	G016	US-4,302,523	11/1/1981	Audran et al.	
	G017	US-4,318,136	3/2/1982	Jeffers	
	G018	US-4,403,138	9/1/1983	Battarel et al.	
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	G020	US-4,503,125	3/1/1985	Nelson et al.	
	G021	US-4,530,016	7/16/1985	Sawazaki	
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G024	US-4,585,929	4/29/1986	Brown et al.		

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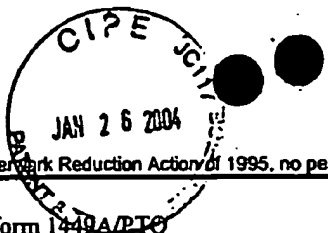
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<b>Sheet 3 of 14</b>	<b>Attorney Docket Number</b>	ULT-010

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V	G025	US-4,592,042	5/1/1986	Lemelson et al.	
	G026	US-4,598,196	7/1/1986	Pierce et al.	
	G027	US-4,609,812	9/2/1986	Drexler	
	G028	US-4,612,436	9/16/1986	Okada	
	G029	US-4,620,727	11/4/1986	Stockburger et al.	
	G030	US-4,659,915	4/1/1987	Flies	
	G031	US-4,672,182	6/1/1987	Hirokawa	
	G032	US-4,683,371	7/1/1987	Drexler	
	G033	US-4,687,712	8/18/1987	Sugita et al.	
	G034	US-4,701,601	10/20/1987	Francini et al.	
	G035	US-4,707,593	11/1/1987	Murata et al.	
	G036	US-4,718,697	01/1988	Berardus van Amelsfort	
	G037	US-4,731,645	3/1/1988	Parmentier et al.	
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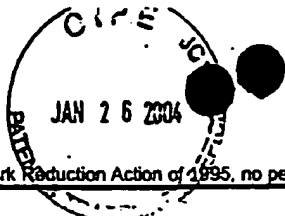
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

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	G039	US-4,756,967	7/1/1988	Hashimoto et al.	
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	G041	US-4,777,540	10/11/1988	McCoy	
	G042	US-4,780,604	10/1988	Hasegawa et al.	
	G043	US-4,786,564	11/22/1988	Chen et al.	
	G044	US-4,791,283	12/13/1988	Burkhardt	
	G045	US-4,812,633	03/1989	Vogelgesang et al.	
	G046	US-4,826,772	05/1989	Meathrel	
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	G048	US-4,851,610	07/25/1989	LeBlanc et al.	
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[Signature]	G052	US-4,931,623		6/5/1990	Nakamura et al.	
	G053	US-4,937,438		6/26/1990	Warwick et al.	
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	G059	US-5,107,099		04/1992	Smith	
	G060	US-5,206,494		04/1993	Metzger	
	G061	US-5,236,791		08/1993	Yahisa et al.	
[Signature]	G062	US-5,309,388		5/3/1994	Maruyama et al.	
	G063	US-5,311,003		5/10/1994	Saroya	

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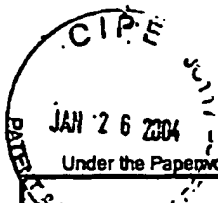
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**INFORMATION DISCLOSURE  
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14

Attorney Docket Number

ULT-010

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2/3 (known)</sup>		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
DA	G064	US-5,321,243		6/14/1994	Groves et al.	
	G065	US-5,336,871		10/9/1994	Colgate Jr.	
	G066	US-5,362,952		11/8/1994	Nair et al.	
	G067	US-5,396,369		5/7/1995	Deland Jr. et al.	
	G068	US-5,396,545		3/7/1995	Nair et al.	
	G069	US-5,397,886		3/14/1995	Mos et al.	
	G070	US-5,408,384		04/1995	Gannyo et al.	
	G071	US-5,410,136		4/25/1995	McIntire et al.	
	G072	US-5,421,618		6/6/1995	Okazaki et al.	
	G073	US-5,426,286		6/20/1995	Nair et al.	
	G074	US-5,431,746		7/11/1995	Manning et al.	
	G075	US-5,452,143		9/19/1995	Kamagami	
	G076	US-5,466,918		11/14/1995	Ray et al.	
G077	US-5,480,685		1/2/1996	Suzuki et al.		

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5 (if known)</sup>	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

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	G078	US-5,492,745	2/1996	Yokoyama	
	G079	US-5,509,083	4/16/1996	Abtahi et al.	
	G080	US-5,521,774	5/28/1996	Parks et al.	
	G081	US-5,530,232	6/25/1996	Taylor	
	G082	US-5,535,078	7/9/1996	Warwick	
	G083	US-5,557,089	9/17/1996	Hall et al.	
	G084	US-5,559,885	9/24/1996	Drexler et al.	
	G085	US-5,588,763	12/31/1996	Nubson et al.	
	G086	US-5,598,474	1/28/1997	Johnson	
	G087	US-5,609,253	3/11/1997	Goade, Sr.	
	G088	US-5,612,526	3/18/1997	Oguchi et al.	
	G089	US-5,626,970	5/1997	Hedgcoth	
	G090	US-5,637,174	6/10/1997	Field et al.	
	G091	US-5,679,942	10/21/1997	Toyama	

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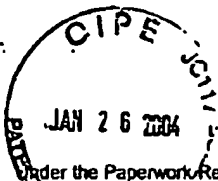
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	09/663,832	
			Filing Date	9/15/2000	
			First Named Inventor:	Malcolm G. Smith, Sr.	
			Examiner: Daniel I. Walsh	GROUP: 2876	
Sheet	8	of	14	Attorney Docket Number	ULT-010

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. 1	Document Number Number - Kind Code <small>2 (if known)</small>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	
	G092	US-5,679,945		10/21/1997	Renner et al.	
	G093	US-5,696,369		12/1997	Watanabe	
	G094	US-5,698,839		12/17/1997	Jagielski	
	G095	US-5,713,406		2/3/1998	Drury	
	G096	US-5,714,747		2/3/1998	West et al.	
	G097	US-5,720,500		2/24/1998	Okazaki et al.	
	G098	US-5,723,033		3/3/1998	Weiss	
	G099	US-5,734,154		3/31/1998	Jachimowicz et al.	
	G100	US-5,738,945		4/14/1998	Lal et al.	
	G101	US-5,748,737		5/5/1998	Daggar	
	G102	US-5,756,220		5/1998	Hoshino et al.	
	G103	US-5,763,862		6/9/1998	Jachimowicz et al.	
	G104	US-5,770,942		6/23/1998	Tagchi	
	G105	US-5,777,306		7/7/1998	Masuda	

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Examiner Initials*	Cite No. 1	Foreign Patent Document Cntry Code 3 Number 4 Kind Code 5 (if known)	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T 6

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Attorney Docket Number

ULT-010

Application Number

09/663,832

Filing Date

9/15/2000

First Named Inventor:

Malcolm G. Smith, Sr.

Examiner: Daniel I. Walsh

GROUP: 2876

**U.S. PATENT DOCUMENTS**

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	G106	US-5,789,733	8/4/1998	Jachimowicz et al.	
	G107	US-5,801,368	9/1998	Hayashi et al.	
	G108	US-5,825,393	10/20/1998	Koczmar et al.	
	G109	US-5,828,053	10/27/1998	Kinugasa	
	G110	US-5,834,756	11/10/1998	Gutman et al.	
	G111	US-5,843,565	12/1/1998	Davies et al.	
	G112	US-5,844,218	12/1/1998	Kawan et al.	
	G113	US-5,844,230	12/1/1998	Lalonde	
	G114	US-5,851,688	12/22/1998	Chen et al.	
	G115	US-5,852,289	12/22/1998	Masahiko	
	G116	US-5,857,079	1/5/1999	Claus et al.	
	G117	US-5,859,419	1/12/1999	Wynn	
	G118	US-5,861,220	1/19/1999	Coughlin	
	G119	US-5,862,174	1/19/1999	Yokota et al.	

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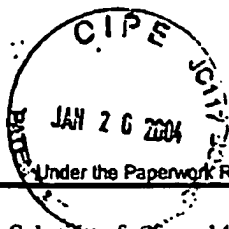
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	<b>Filing Date</b>		9/15/2000		
	<b>First Named Inventor:</b>		Malcolm G. Smith, Sr.		
	<b>Examiner: Daniel I. Walsh</b>		GROUP: 2876		
<b>Sheet</b>	10	<b>of</b>	14	<b>Attorney Docket Number</b>	ULT-010

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JH	G120	US-5,866,891	2/2/1999	Fujimoto et al.	
	G121	US-5,869,823	2/9/1999	Bublitz et al.	
	G122	US-5,880,445	3/9/1999	Mori et al.	
	G123	US-5,883,377	3/16/1999	Chapin, Jr.	
	G124	US-5,884,271	3/1999	Pitroda	
	G125	US-5,886,333	3/1999	Miyake	
	G126	US-5,889,273	3/1999	Goto	
	G127	US-5,895,903	4/1999	Abe et al.	
	G128	US-5,895,909	4/1999	Yoshida	
	G129	US-5,898,612	4/1999	Chen et al.	
	G130	US-5,901,012	5/1999	Ishida	
	G131	US-5,901,303	5/1999	Chew	
	G132	US-5,928,759	7/1999	Arita et al.	
G133	US-5,939,202	8/1999	Ataka et al.		

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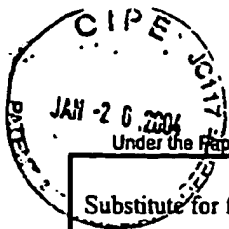
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	<b>Filing Date</b>		9/15/2000		
	<b>First Named Inventor:</b>		Malcolm G. Smith, Sr.		
	<b>Examiner: Daniel I. Walsh</b>		GROUP: 2876		
<b>Sheet</b>	11	<b>of</b>	14	<b>Attorney Docket Number</b>	ULT-010

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
DA	G134	US-5,941,375		8/1999	Kamens et al.	
	G135	US-5,979,774		11/1999	Urushibata	
	G136	US-5,997,042		12/1999	Blank	
	G137	US-6,079,621		6/2000	Vardanyan et al.	
	G138	US-6,080,476		6/2000	Kanbe et al.	
	G139	US-6,116,655		9/2000	Thouin et al.	
	G140	US-6,131,816		10/2000	Smith, Sr.	
	G141	US-6,186,398		2/2001	Kato et al.	
	G142	US-6,221,508		4/2001	Kanbe et al.	
	G143	US-6,238,809		5/2001	Wu et al.	
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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear

<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
[Signature]						
<b>EXAMINER SIGNATURE:</b>				<b>DATE CONSIDERED:</b> 7/2/04		

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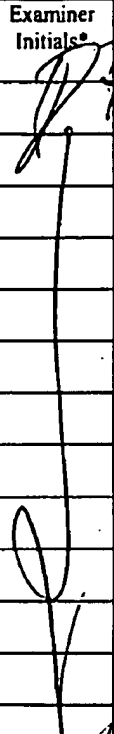
Approved for use through 07/31/2006. OMB 0651-0031

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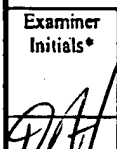
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	09/663,832		
		Filing Date	9/15/2000		
		First Named Inventor:	Malcolm G. Smith, Sr.		
		Examiner: Daniel I. Walsh	GROUP: 2876		
Sheet	12	of	14	Attorney Docket Number	ULT-010

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2,3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	G145	US-6,398,114	6/2002	Nishikawa et al.	
	G146	US-D264,853	6/1982	Scavino et al.	
	G147	US-D293,694	1/1988	Alden et al.	
	G148	US-D305,887	2/1990	Nishimura	
	G149	US-D328,457	8/1992	Matsuzaka	
	G150	US-D408,377	4/20/1999	Ferchau et al.	
	G151	US-D410,769	6/1999	Dorizas	
	G152	US-D425,876	5/2000	Maiers et al.	
	G153	US-D429,733	8/2000	Jones et al.	
	G154	US-D436,991	1/2001	Morgante	
	G155	US-D447,146	8/2001	Myers	
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	G158	US-5,055,155	10/08/1991	Crotty et al.	

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		Cntry Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	G159	FR	2505523		12/11/1982	Widmer MJF		

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Bhushan, Bharat, *Tribology and Mechanics of Magnetic Storage Devices*, New York: Springer-Verlag, pp. 599, 629-638

EXAMINER SIGNATURE: 

DATE CONSIDERED: 7/2/04

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		Filing Date	9/15/2000		
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		Examiner: Daniel I. Walsh	GROUP: 2876		
Sheet	13	of	14	Attorney Docket Number	ULT-010

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Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
[Signature]	G160	US-5,101,097	03/31/1992	Conant	
	G161	US-5,147,732	09/15/1992	Shiroishi et al.	
	G162	US-5,180,640	01/19/1993	Yamashita et al.	
	G163	US-5,191,198	03/02/1993	Do	
	G164	US-5,204,513	04/20/1993	Steele	
	G165	US-5,206,489	04/27/1993	Warwick	
	G166	US-5,217,056	06/08/1993	Ritter	
	G167	US-5,221,838	06/22/1993	Gutman et al.	
	G168	US-5,254,843	10/19/1993	Hynes et al.	
	G169	US-5,270,523	12/14/1993	Chang et al.	
	G170	US-5,286,958	02/15/1994	Smeets	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER SIGNATURE: [Signature]	DATE CONSIDERED: 7/2/04
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Application Number	09/663,832
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<b>Filing Date</b>	<b>9/15/2000</b>
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**First Named Inventor:** **Malcolm G. Smith, Sr.**

Examiner: Daniel I. Walsh      GROUP: 2876

Sheet	14	of	14	Attorney Docket Number	ULT-010
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## FOREIGN PATENT DOCUMENTS

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					7			

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